
Subject: Wacky results for Rat Shack 90-1197 in PiAlign?

Posted by [AudioLapDance](#) on Fri, 09 Nov 2001 12:53:02 GMT

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Hey Wayne et al; long time, no see! Someone was looking for RS1197 (4" fullrange, factory "seconds" of Fostex FE103) TS specs a long time ago--I hope you're still lurking around. I found some over at the full range driver forum. It's now in the archives under "40-1197s for Home Theater???" The specs are: $F_s=85\text{Hz}$, $Q_t=0.37$, $Q_d=2.7$, $V_{ad}=0.17$ cuft (4.9 l) I think PiAlign is having some problems with the low V_{ad} because when I plug them in the $Encl\ Vol=6.3$ cuft and the Ideal $Q=40.5$! The dimensions indicate a reasonable 0.08 cuft cab (9.2" x 6.6" x 4.5" w 3/4" wood) and 0.8" dia X 2.2" port but I'm not sure if I should trust them?! Wayne, could you run these numbers for me? Thanks. For those interested, another cheap full range is the Pioneer B20FU20-51FW (I got mine for \$40 CND each!) Specs: $F_s=36\text{Hz}$, $Q_t=0.25$, $Q_d=4$, $V_{ad}=3.2$ cuft (92 l) The results in a nice 0.8 cuft cab (18.5" x 12.75" x 9" w 3/4" wood) with a 2.2" diam x 2.3" port. I'll be finishing my Theater Seven Pi's this weekend (finally!). I'll keep you posted. Cheers, Jeff
